India is thus bridged over by these records, and it now remains to find out how far it extends northward into the United Provinces. There were no specimens of it in the Lucknow Museum, when I examined the snakes there in December 1968.

My specimen, which is deposited in the Nagpur Museum, is a typical one, except that the scale rows reduce to 13 at about 3 inches before the middle of the body. The ventrals are 193 and the sub-caudals in 126 pairs.

E. A. D'ABREU, F.Z.S.

CENTRAL MUSEUM, NAGPUR, C. P., 8th June 1917.

No. XIII.—NOTES ON THE RUSSELL'S VIPER.

(With a Plate.)

The following notes relate to the young ones which a Russell's viper produced in the Central College Museum. An adult female specimen, measuring about 4 feet, was obtained locally towards the first week of December 1916, and on the 8th June 1917, the young ones were born. Assuming that fertilisation took place in November,—there is no other evidence for this assumption than the testimony of the snake charmers who are unreliable in such matters—the period of gestation has occupied in this case roughly seven months.¹ Of the six young daboiæ that were produced, three were still-born, and in addition three eggs were deposited. Except in one egg, no trace of development could be made out in others and it is doubtful whether these latter were impregnated at all.² The eggs are translucent, reddish and are soft; the leathery shell of the eggs belonging to the Elapinæ group is replaced by a soft membrane. They are held together by a gelatinous twisted cord which may be of immense length sometimes and which hardens on exposure. Each egg measures 30 mm. along the longer axis.

The young ones moult soon after rupturing the vitelline membrane. The

following are the measurements of the largest specimen :-

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^{1.} Fitz Simons gives the same period in the case of the puff adders of S. Africa. (Vide p. 222, South Afr: Snakes). Major F. Wall gives the same period. (Journ. Bombay Nat. Hist. Soc., Vol. XVIII)

^{2.} The occurrence of unfertilised eggs anterior in position to those in advanced state of development in the enlarged oviduots (Uteri) is not uncommon in the Daboia. Such a condition was noticed when a gravid female was dissected sometime are

^{*.} Specimens illustrative of all these facts have been sent to the Director Zoolog cal Survey of India, Calcutta.